



BIOSPECIMEN RESPOSITORY ACCESS & DATA SHARING

Division of Epidemiology, Statistics and Prevention Research

Datafile Documentation

Material Source: Collaborative Perinatal Project

Project: A study of maternal thyroid autoimmunity and sensorineural hearing loss

Investigator: Ellen E. Wasserman, Johns Hopkins Bloomberg School of Public Health

Laboratory Assessment (s): Thyroid peroxidase autoantibodies (TPOaAb), IgG status (+/-) for cytomegalovirus (CMV), Epstein-Barr virus, herpes simplex virus type 1, herpes simplex virus type 2, and Toxoplasma gondii

Component Description (Study, Grant, or Contract #)	Measurement of maternal TPOaAB & IgG status for CMV, Epstein-Barr, herpes simplex viruses, and Toxoplasma from stored sera specimens from the Baltimore CPP site. Children of Baltimore CPP mothers were evaluated for sensorineural hearing loss (SNHL) at age 8 years.
Eligible Sample	CPP gravidas with residual serum available for the third trimester and whose child had an audiology examination at age 8 years.
Study Publications	<ol style="list-style-type: none"> 1. Wasserman EE, Nelson K, Rose NR, Eaton W, Pillion JP, Seaberg E, Talor MV, Burek L, Duggan A, Yolken RH. Maternal thyroid autoantibodies during the third trimester and hearing deficits in children: an epidemiologic assessment. <i>Am J Epidemiol</i> 2008;167(6):701-10. 2. Wasserman EE, Nelson K, Rose NR, Rhode C, Pillion JP, Seaberg E, Talor MV, Burek L, Eaton W, Duggan A, Yolken RH. Infection and thyroid autoimmunity: a seroepidemiologic study of TPOaAb. <i>Autoimmunity</i> 2009;42(5):439-46.

	3. Wasserman EE, Pillion JP, Duggan A, Nelson K, Rohde C, Seaberg EC, Talor MV, Yolken RH, Rose NR. Childhood IQ and maternal thyroid autoimmunity in the Baltimore CPP. <i>Pediatr Res</i> 2012;doi:10.1038/pr.2012.117 [Epub ahead of print].
Material (e.g., serum, urine)	Serum
Description of Laboratory Methods	Laboratory methods are described in the two main study publications.
Laboratory Quality Control (QC) and Monitoring	See description above.
Data Processing and Editing	Data were received after all the laboratory testing was complete. Data Access: All source data are publicly available.
Dataset Format and Variables Codebook Attached ____ Yes _x_ No	Excel file: family = 5-digit CPP family ID momid = 9-digit CPP mother ID kidid = 9-digit CPP child ID tpo_con = thyroid peroxidase autoantibody (TPOaAb, IU/mL) cmv = IgG status cytomegalovirus (0=negative, 1=positive) ebv = IgG status Epstein-Barr virus (0=negative, 1=positive) hsv1 = IgG status herpes simplex virus type 1 (0=negative, 1=positive) hsv2 = IgG status herpes simplex virus type 2 (0=negative, 1=positive) tox = IgG status Toxoplasma gondii (0=negative, 1=positive)

Analytic Notes	
References (Methods)	References for methods are given in the three main study publications.